

**CITY OF FORT SMITH SUPPLEMENTAL SPECIFICATION  
GEOTEXTILE FABRIC FOR SOILS**

**SECTION 230** of the Standard Specifications for Public Works Construction, February 2008 Edition, is hereby amended as follows:

**230.02 MATERIALS**

This sub-section shall be deleted and replaced with the following:

Geotextile fabric shall be a woven synthetic fiber fabric meeting the fabric properties listed herein. Fabric shall be Mirafi 500X (Ten Cate Nicolon) or approved equal.

<b>Fabric Properties</b>	<b>ASTM Test Method</b>	<b>Unit</b>	<b>Minimum Value</b>
Grab Tensile Strength	D4632	lbs	200
Grab Tensile Elongation	D4632	%	15
Trapezoid Tear Strength	D4533	lbs	75
CBR Puncture Strength	D6241	lbs	700
Apparent Opening Size (AOS)*	D4751	U.S. Sieve	40
Permittivity	D4491	Sec <sup>-1</sup>	0.05
UV Resistance (at 500 hours)	D4355	% strength retained	70
Weight	D5261	oz/yd <sup>2</sup>	4.0
Thickness	D5199	Mils	20

\*ASTM D4751, AOS is a Maximum Opening Diameter Value